

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In Re Application of:

Woonza M. RHEE et al.

Continuation of Serial No.: 10/364,762

Group Art Unit: Unassigned

Filing Date: Filed herewith

Examiner: Unassigned

Title: SYNTHETIC IMPLANT WITH NONIMMUNOGENICITY COATING

INFORMATION DISCLOSURE STATEMENT

Mail Stop Patent Application

Commissioner for Patents

P.O. Box 1450

Alexandria, Virginia 22313-1450

Sir:

This is an Information Disclosure Statement submitted for the Examiner's consideration. Applicants respectfully request that the Examiner review and make of record the references identified below.

The references identified below were disclosed in parent application Serial No. 10/364,762, filed February 10, 2003, and, as such, copies thereof are not included pursuant to the provisions of 37 CFR § 1.98(d).

PTO-1449 forms listing the references accompany this paper. Applicants would appreciate the Examiner's initialing and returning the forms to indicate that the references have been reviewed and made of record. The references are as follows:

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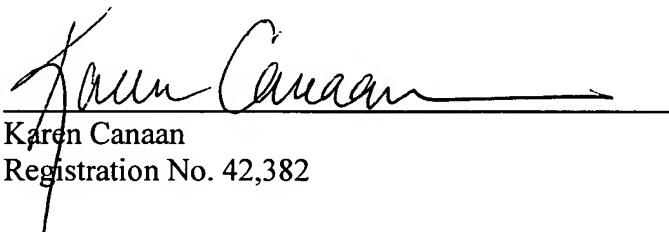
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This Information Disclosure Statement is not intended as a representation that a search has been made, that additional information material to the examination of this application does not exist, or that any of the above references constitutes prior art to the present application within the meaning of 35 USC § 102.

As this Information Disclosure Statement is being filed concurrently with the application, no fee is required.

Respectfully submitted,

By:


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**INFORMATION DISCLOSURE
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First Named Inventor	Woonza M. RHEE et al.
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Examiner Name	Unassigned

Attorney Docket Number 2500-2287.06

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	EG	5,580,923	12/1996	Yeung et al.			
	EH	5,605,976	2/1997	Martinez et al.			
	EI	5,612,460	3/1997	Zalipsky			
	EJ	5,614,549	3/1997	Greenwald et al.			
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	ER	5,874,500	2/1999	Rhee et al.			
	ES	6,051,648	4/00	Rhee et al.			

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Examiner Name	Unassigned
Attorney Docket Number	2500-2287.06

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	ET	CA 2134744	5/1995	Canada			
	EU	EP 0013249	1/1980	Europe			
	EV	EP 0042253	12/1981	Europe			
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	FL	JP 4-227265	4/1990	Japan			
	FM	JP 60-70972	3/1994	Japan			
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	FS	WO 92/13025	8/1992	PCT			
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	FV	WO 94/03155	2/1994	PCT			
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Examiner Initials*	Cite No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), Title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T
	FX	Poly(Ethylene Glycol) Chemistry: Biotechnical & Biomedical Applications, Chapter 22, J. Milton Harris, Ed., Plenum Press, NY (1992).	
	FY	Abuchowski et al. (1977), "Alteration of immunological properties of bovine serum albumin by covalent attachment of polyethylene glycol," <i>Biol. Chem.</i> 252(11):3578-3581.	
	FZ	Abuchowski et al. (1984), "Cancer therapy with chemically modified enzymes. I. Antitumor properties of polyethylene glycol-asparaginase conjugates," <i>Cancer Biochem. Biophys.</i> 7:175-186.	
	GA	Abuchowski et al. (1977), "Effect of covalent attachment of polyethylene glycol on immunogenicity and circulating life of bovine liver catalase," <i>J. Biol. Chem.</i> 252(11):3582-3586.	

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	GB	Anderson et al. (1964), "The use of esters of n-hydroxysuccinimide in peptide synthesis," [????] <u>86:1839-1842.</u>	
	GC	Beauchamp et al. (1983), "A new procedure for the synthesis of polyethylene glycol-protein adducts: Effects on function, receptor recognition, and clearance of superoxide dismutase, lactoferrin, and α_2 -macroglobulin," <i>Analytical Biochemistry</i> <u>131</u> :25-33.	
	GD	Bendich et al. (1982), "Immunological effects of native and polyethylene glycol-modified asparaginases from <i>Vibro succinogenes</i> and <i>Escherichia coli</i> in normal and tumor-bearing mice," <i>Clin. Exp. Immunol.</i> <u>48</u> :273-278.	
	GE	Braatz et al. (1992), "A New Hydrophilic Polymer for Biomaterial Coatings with Low Protein Adsorption," <i>J. Biomater. Sci. Polymer Edn.</i> <u>3</u> (6):451-462.	
	GF	Chen et al. (1981), "Properties of two urate oxidases modified by the covalent attachment of poly(ethylene glycol)," <i>Biochem. Biophys. Acta</i> <u>660</u> :293-298.	
	GG	Chvapil et al. (1969), "Some chemical and biological characteristics of a new collagen-polymer compound material," <i>J. Biomed. Mater. Res.</i> <u>3</u> :315-332.	
	GH	Davis et al. (1981), "Hypouricaemic effect of polyethyleneglycol modified urate oxidase," <i>Lancet</i> <u>2</u> :281-283.	
	GI	Doillon et al. (1986), <i>J. Biomed. Mat. Res.</i> <u>20</u> (8):1219-1228.	
	GJ	Ferruti (1981), "Succinic half-esters of poly(ethylene glycol)s and their benzotriazole and imidazole derivatives as oligomeric drug-binding matrices," <i>Makromol. Chem.</i> <u>182</u> :2183-2192.	
	GK	Fleisher et al. (1987), "Regeneration of lost attachment apparatus in the dog using polygalactin-910," <i>J. Dent. Res.</i> <u>281</u> (66 spec.), Abstract No. 1393.	
	GL	Gander et al. (1988), "Crosslinked poly(alkylene oxides) for the preparation of controlled release micromatrices," <i>J. Controlled Release</i> <u>5</u> :271-283.	
	GM	Gnanou et al. (1984), "Hydrophilic polyurethane networks based on poly(ethylene oxide): Synthesis, characterization, and properties. Potential applications as biomaterials," <i>Macromolecules</i> <u>17</u> :945-952.	
	GN	Gomel et al. (1992), "Infertility surgery: Microsurgery," <i>Current Opinion in Obstetrics and Gynecology</i> <u>4</u> :390-399.	
	GO	Inada et al. (1984), "Ester synthesis catalyzed by polyethylene glycol-modified lipase in benzene," <i>Biochem. & Biophys. Res. Comm.</i> <u>122</u> :845-850.	
	GP	Katre et al. (1987), "Chemical modification of recombinant interleukin 2 by polyethylene glycol increases its potency in the murine meth A sarcoma model," <i>Proc. Natl. Acad. Sci. USA</i> <u>84</u> :1487-1491.	
	GQ	McPherson et al. (1988), <i>Collagen and Related Research Clinical and Experimental</i> <u>8</u> (1):83-100.	
	GR	Nathan et al. (1993), "Copolymers of lysine and polyethylene glycol: A new family of functionalized drug carriers," <i>Bioconjugate Chem.</i> <u>4</u> :54-62.	
	GS	Nishida et al. (1984), "Hypouricaemic effect after oral administration in chickens of polyethylene glycol-modified uricase entrapped in liposomes," <i>J. Pharm. Pharmacol.</i> <u>36</u> :354-355.	
	GT	Pados et al. (1992), "Adhesions," <i>Current Opinion in Obstetrics and Gynecology</i> <u>4</u> :421-428.	
	GU	Pagidas et al. (1992), "Effects of ringer's lactate, interceed (TC7) and gore-tex surgical membrane on postsurgical adhesion formation," <i>Fertility and Sterility</i> <u>57</u> (1):199-201.	
	GV	Pyatak et al. (1980), "Preparation of a polyethylene glycol:superoxide dismutase adduct, and an examination of its blood circulating life and anti-inflammatory activity," <i>Res. Com. Chem. Path. Pharmacol.</i> <u>29</u> :113-127.	
	GW	Ramshaw et al. (1984), "Precipitation of collagens by polyethylene glycols," <i>Anal. Biochem.</i> <u>141</u> :361-365.	
	GX	Savoca et al. (1979), "Preparation of a non-immunogenic arginase by the covalent attachment of polyethylene glycol," <i>Biochem. Biophys. Acta</i> <u>578</u> :47-53 (1979).	

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	GY	Sawhney et al. (1994), "Optimization of photopolymerized bioerodible hydrogel properties for adhesion prevention," <i>J. Biomed. Mat. Res.</i> <u>28</u> :831-838.	
	GZ	Sperinde et al. (1997), "Phase transformation poly(ethylene glycol) hydrogels for tissue engineering and cell therapies," <i>23rd Annual Meeting of the Society for Biomaterials</i> , p. 247.	
	HA	Steinleitner et al. (1991), "Poloxamer 407 as an intraperitoneal barrier material for the prevention of postsurgical adhesion formation and reformation in rodent models for reproductive surgery," <i>Obstetrics and Gynecology</i> <u>77</u> :48-52.	
	HB	Takahashi et al. (1984), "A chemical modification to make horseradish peroxidase soluble and active in benzene," <i>Biochem. & Biophys. Res. Comm.</i> <u>121</u> :261-265.	
	HC	Tulandi (1991), "Effects of fibrin sealant on tubal anastomosis and adhesion formation," <i>Fertility and Sterility</i> <u>56</u> (1):136-138.	
	HD	Ulbrich et al. (1986), "Poly(ethylene glycol)s containing enzymatically degradable bonds," <i>Makromol. Chem.</i> <u>187</u> :1131-1144.	
	HE	Urman et al. (1991), "Effect of hyaluronic acid on postoperative intraperitoneal adhesion formation and reformation in the rat model," <i>Fertility and Sterility</i> <u>56</u> (3):568-570.	
	HF	Viau et al. (1986), "Safety evaluation of free radical scavengers PEG-catalase and PEG-superoxide dismutase," <i>J. Free Rad. In Bio. & Med.</i> <u>2</u> :283-288.	
	HG	Viau et al. (1986), "Toxicologic studies of a conjugate of asparaginase and polyethylen glycol in mice, rats and dogs," <i>Am. J. Vet. Res.</i> <u>47</u> :1398-1401.	
	HH	West et al. (1995), "Comparison of covalently and physically cross-linked polyethylene glycol-based hydrogels for the prevention of postoperative adhesions in a rat model," <i>Biomaterials</i> <u>16</u> :1153-1156.	
	HI	Wieder et al. (1979), "Some properties of polyethylene glycol: Phenylalanine ammonia-lyase adducts," <i>J. Biol. Chem.</i> <u>254</u> :12579-12587.	

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